



UNITED STATES PATENT AND TRADEMARK OFFICE
(Attorney Docket No. 12744US03)

In the Application of:

Roswell Roberts III et al.

Serial No. 09/627,365

Filed: July 28, 2000

For: **Satellite Receiver/Router,
System and Method of Use**

Examiner: Kenneth N. Vanderpuye

Group Art Unit: 2661

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as **Priority Mail** in two boxes addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: March 17, 2003.

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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sirs:

Pursuant to 37 C.F.R. § 1.97-1.98 and in compliance with the duty of disclosure set forth in 37 C.F.R. § 1.56, it is respectfully requested that the following references be considered in the examination of the above-identified patent application:

<u>U.S. Patent No.</u>	<u>Date</u>	<u>Name</u>
3,626,295	12/07/71	Sabru
3,898,376	08/05/75	Nabeyama et al.
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03/21/2003 HVUONG1 00000068 09627365

01 FC:1806

180.00 OP

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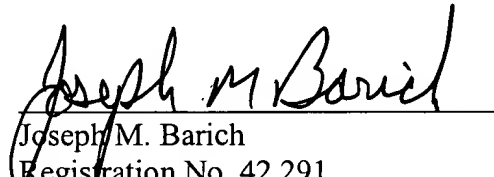
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The above-identified reference(s) are listed on the attached Form PTO-1449 and copies are also enclosed herewith. This submission is in no way intended as an admission that the above-cited references constitute prior art. Applicant expressly retains the right to take any actions necessary to remove the above-cited references from the available prior art. Consideration of the above-identified references in the examination of the present patent application is respectfully requested.

The Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to Account No. 13-0017.

Respectfully submitted,



Joseph M. Barich
Registration No. 42,291
Attorney for Applicant

March 17, 2003

Date

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Form PTO-1449
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PATENT AND TRADEMARK OFFICE

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SERIAL NO.

09/627,365

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

APPLICANT:

Roswell Roberts III et al.

FILING DATE

July 28, 2000

GROUP ART UNIT:

2661

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	3,626,295	12-07-71	Sabru			
	A2	3,898,376	08-05-75	Nabeyama et al.			
	A3	4,130,730	12-19-78	Ostrowski			
	A4	4,346,262	08-24-82	Willems et al.			
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	A8	4,641,343	02-03-87	Holland et al.			
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	B1	AU 744624	10-19-00	Australia				
	B2	CA 2,199,360	06-26-01	Canada				
	B3	DE 33 13 841 A1	10-18-84	Germany				
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	C1	"Draft AES recommended practice for professional audio – subjective evaluation of loudspeakers," Draft AES20-xxxx, <u>Standards and Information Documents</u>
	C2	"Asymmetric Internet Access over Satellite-Terrestrial Networks," V. Arora, N. Suphasindhu, J.S. Baras, D. Dillon, <u>Center for Satellite and Hybrid Communication Networks</u> .
	C3	"Precision Telephone Product Tester at bottom left, p. 297, located in Group 2900 library, B. A. Pargh Company, Inc. catalog

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449
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	C5	"ISO-MPEG-1 Audio: A Generic Standard for Coding of High-Quality Digital Audio," Brandenburg et al., J. Audio Eng. Soc., Vol. 42, No. 10, Oct. 1994, pp. 780-792.
	C6	CDQ1000 Reference Manual, Revision 3.3, May, 1994, CCS Audio Products

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	A19	5,132,992	07-21-92	Yurt et al.			
	A20	5,144,431	09-01-92	Citta et al.			
	A21	5,151,998	09-29-92	Capps			
	A22	5,161,210	11-03-92	Druyvesteyn et al.			
	A23	5,214,708	05-25-93	McEachern			
	A23	5,239,540	08-24-93	Rovira et al.			
	A25	5,253,275	10-12-93	Yurt et al.			
	A26	5,282,028	01-25-94	Johnson et al.			
	A27	5,282,202	01-25-94	Bernstein et al.			

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	B9	EP 0 174 636	03-19-86	Europe				
	B10	EP 0 271 805	06-22-88	Europe				
	B11	EP 0 343 792 A2	11-29-89	Europe				
	B12	EP 0 372 601 A1	06-13-90	Europe				

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C7	CDQ2000 Reference Manual, Rev. 6.92-2, July 27, 1994, <u>CCS Audio Products</u>
C8	CDQ2001 Reference Manual, Revision 2.2-3, August 1994, <u>Musicam USA</u>
C9	"SpectraCast DR1000 Integrated Receiver Decoder," Crown Satellite, March, 1998

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	A28	5,287,351	02-15-94	Wall, Jr. et al.			
	A29	5,301,363	04-15-94	Hinderks			
	A30	5,305,440	04-19-94	Morgan et al.			
	A31	5,319,707	06-07-94	Wasilewski et al.			
	A32	5,325,423	06-28-94	Lewis			
	A33	5,333,155	07-26-94	Dambacher			
	A34	5,341,457	08-23-94	Hall, II et al.			
	A35	5,349,699	09-20-94	Erben et al.			
	A36	5,375,068	12-20-94	Palmer et al.			

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	B13	EP 0 510 247 A2	08-02-91	Europe				
	B14	EP 0 510 247 A3	08-02-91	Europe				
	B15	JP 5227164	09-03-93	Japan				
	B16	Kokai 1-188043	07-27-89	Japan				

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	C10	*120/140 Mbit/s Portable HDTV Codec and its Transmission Performance in a Field Trial via INTELSAT Satellite,* Shuichi Matsumoto and Hitomi Murakami, 8376 Signal Processing Image Communication, Elsevier Science Publishers, vol. 4, Nos. 4/5, August 1, 1992, pp. 359-377, xp000293754, Amsterdam, NE
	C11	*The Internet Multicast from ITS: How it was Done and Implications for the Future,* Luis F. M. de Moraes and Stephen B. Weinstein, IEEE Communications Magazine, January, 1995
	C12	*The Motion Pictures Experts Group Digital Compression Standard and its Role in Satellite Systems,* Frank Laczko, Proceedings of 1993 IEEE National Telesystems Conference, June 16-17, 1993, pp. 117-119, xp002163561, Atlanta, GA, USA
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	A37	5,381,412	01-10-95	Otani			
	A38	5,388,182	02-07-95	Benedetto et al.			
	A39	5,389,965	02-14-95	Kuzma A.J.			
	A40	5,392,066	02-21-95	Fisher et al.			
	A41	5,392,353	02-21-95	Morales			
	A42	5,394,561	02-28-95	Freeburg			
	A43	5,396,497	03-07-95	Veltman			
	A44	5,403,639	04-04-95	Belsan et al.			
	A45	5,404,567	04-04-95	DePietro et al.			

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	B17	Kokai 1-309489	12-13-89	Japan				
	B18	Kokai 3-278730	12-10-91	Japan				
	B19	Kokai 4-134995	05-08-92	Japan				
	B20	Kokai 5-103233	04-23-93	Japan				

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C13	"MPEG: A Video Compression Standard for Multimedia Applications," Didier Le Gall, <u>Communications of the Association for Computing Machinery</u> , vol. 34, no. 4, April 1, 1991, pp. 46-58, xp000228788, NY, USA
C14	"Principles of Digital Audio," Ken C. Pohlmann, <u>McGraw-Hill Video/Audio Professional</u> , 4 th edition, pp. 482-483.
C15	"Infinity Boards the MUSICAM Express," <u>Radio Ink</u> , p. 10, May 8-21, 1995

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	A46	5,406,558	04-11-95	Rovira et al.			
	A47	5,414,773	05-09-95	Handelman			
	A48	5,432,907	07-11-95	Picazo, Jr., et al.			
	A49	5,440,336	08-08-95	Buhro et al.			
	A50	5,455,570	10-03-95	Cook et al.			
	A51	5,461,619	10-24-95	Citta et al.			
	A52	5,463,424	10-31-95	Dressler			
	A53	5,479,447	12-26-95	Chow et al.			
	A54	5,490,136	02-06-96	Sereno et al.			

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							YES	NO
	B21	Kokai 5-290442	11-05-93	Japan				
	B22	Kokai 6-133220	05-13-94	Japan				
	B23	Kokai 6-141005	05-20-94	Japan				
	B24	Kokai 6-276169	09-30-93	Japan				

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	C16	"Digital Audio Dictionary," Howard W. Sams, <u>Prompt Publications</u>
	C17	"Introduction to Data Compression," Khalid Sayood, 1996
	C18	"MCPC VSAT's for Rural Network," M. L. Sharma, <u>Digital Satellite Communications</u> , 1995, 10 th International Conference, pp. 484-490.

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	A56	5,493,339	02-20-96	Birch et al.			
	A57	5,493,647	02-20-96	Miyasaka et al.			
	A58	5,495,554	02-27-96	Edwards et al.			
	A59	5,508,949	04-16-96	Konstantinides			
	A60	5,515,107	05-07-96	Chiang et al.			
	A61	5,528,725	06-18-96	Hui			
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	A63	5,534,913	07-09-96	Majeti et al.			

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	B25	Kokai 63-128829	06-01-88	Japan				
	B26	Kokai 63-240228	10-05-88	Japan				
	B27	Kokai 7-153243	06-16-95	Japan				
	B28	Kokai 7-154347	11-29-93	Japan				

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	C19	Advertisement from ET/D of May 1978, Model 452, Simpson Electric Co.
	C20	"Digital Video and Audio Compression," Stephen J. Solari
	C21	"AT&T, Starburst Offer Reliable, Satellite-Based Multicasting," StarBurst Communications Press Release, April 2, 1996

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	A64	5,535,300	07-09-96	Hall II et al.			
	A65	5,550,863	08-27-96	Yurt et al.			
	A66	5,557,334	09-17-96	Legate			
	A67	5,557,724	09-17-96	Sampat et al.			
	A68	5,559,549	09-24-96	Hendricks et al.			
	A69	5,566,209	10-15-96	Forssen et al.			
	A70	5,581,653	12-03-96	Todd			
	A71	5,583,962	12-10-96	Davis et al.			
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	B29	WO 89/09965	10-19-89	WIPO				
	B30	WO 92/10040	06-11-92	WIPO				
	B31	WO 92/12599	07-23-92	WIPO				
	B32	WO 92/17948	10-15-92	WIPO				

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C22	"Comet PC-to-PC File Transfer Application Software," <u>Starguide Digital Networks, Inc.</u> publication 1996 (2 pages)
C23	"HSS High Speed ISA Bus PC Interface Board," <u>Starguide Digital Networks, Inc.</u> publication 1996 (2 pages)
C24	"MPEG 2 Digital Video Decoder Module," <u>Starguide Digital Networks, Inc.</u> publication 1996 (2 pages)

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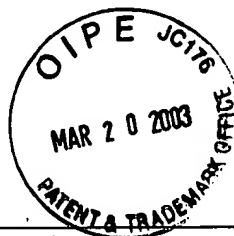
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	A73	5,588,024	12-24-96	Takano			
	A74	5,590,108	12-31-96	Mitsuno et al.			
	A75	5,594,490	01-14-97	Dawson et al.			
	A76	5,606,668	02-25-97	Shwed			
	A77	5,608,446	03-04-97	Carr et al.			
	A78	5,633,981	05-27-97	Davis			
	A79	5,659,615	08-19-97	Dillon			
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	B33	WO 93/02412	02-04-93	WIPO				
	B34	WO 93/09631	05-13-93	WIPO				
	B35	WO 95/23493	08-31-95	WIPO				
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	C25	"MUSICAM MPEG Layer II Digital Audio Decoder Module," <u>Starguide Digital Networks, Inc.</u> publication 1996 (2 pages)
	C26	"RS-422, V.35, RS-232C Clear Channel Synchronous Data Interface Module," <u>Starguide Digital Networks, Inc.</u> publication 1996 (2 pages)
	C27	"Specification for Satellite Data Broadcasting System Software v. 1.0," <u>Starguide Digital Networks, Inc.</u> publication 10/31/95 (7 pages)

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	A82	5,694,334	12-02-97	Donahue et al.			
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	A85	5,699,411	12-16-97	Becker et al.			
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	A87	5,727,002	03-10-98	Miller et al.			
	A88	5,732,078	03-24-98	Arango			
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	B38	WO 96/32805	10-17-96	WIPO				
	B39	WO 97/07606	02-27-97	WIPO				
	B40	WO 97/09801	03-13-97	WIPO				

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	C28	"Starguide II Digital Multimedia Satellite Receiver," <u>Starguide Digital Networks, Inc.</u> publication (2 pages)
	C29	"Starguide MX3 Digital Multimedia Multiplexer," <u>Starguide Digital Networks, Inc.</u> publication (2 pages)
	C30	"Starguide MX3 Digital Multimedia Satellite Hub," <u>Starguide Digital Networks, Inc.</u> publication (2 pages)
	C31	"Virtual Bandwidth Network Management System (VBNMS) Software," <u>Starguide Digital Networks, Inc.</u> publication (2 pages)
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	A91	5,751,356	05-12-98	Suzuki et al.			
	A92	5,778,187	07-07-98	Monteiro et al.			
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	B43	WO 98/20724 A2	05-22-98	WIPO				
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	C32	"Virtual Bandwidth Network Management System, Users Guide," <u>StarGuide Digital Networks, Inc.</u> publication 1996, pp. 1-83
	C33	"Installation and Operation of the DaX," <u>StarGuide Digital Networks, Inc.</u> publication 04/25/95, pp. 1-16
	C34	"StarGuide II Satellite Receiver User's Manual," <u>StarGuide Digital Networks, Inc.</u> publication, Rev. B 6/96, pp. 1-56
	C35	"RS-232 Asynchronous Services Statistical Demux Interface Module," <u>StarGuide Digital Networks, Inc.</u> publication 1996
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	A101	5,838,906	11-17-98	Doyle et al.			
	A102	5,841,979	11-24-98	Schulhof et al.			
	A103	5,848,386	12-08-98	Motoyama			
	A104	5,852,721	12-22-98	Dillon et al.			
	A105	5,862,325	01-19-99	Reed et al.			
	A106	5,881,131	03-09-99	Farris et al.			
	A107	5,893,091	04-06-99	Hunt et al.			
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	B							
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C36	Conway Phone-a-lyzer II, p. 96, <u>Telephony's Buyer's Guide 1990/91</u>
C37	"Telos Zephyr Digital Network Audio Transceiver User's Manual," (selected portions), Manual Version: Non-ISDN 1.0, April 94
C38	Clearlink IP Router Data Sheet, Tridom, released 1/26/97 printed from web page 02/05/03
C39	"VSAT Network Components," Tridom, released 1/26/97 printed from web page 02/05/03

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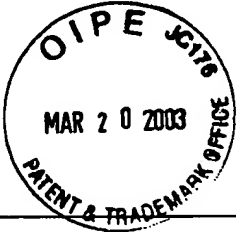
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	B							
	B							
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	C40	Clearlink System 100 Data Sheet, Tridom, released 1/26/97 printed from web page 02/05/03
	C41	"Bandwidth On Demand Satellite Network Table Definitions," StarGuide Digital, version 2.0, August 29, 1996, pp. 1-8, <u>Virtex Communications, LLC</u>
	C42	"StarGuide Multiplexer User's Manual," Version 6.01, October 5, 1996, pp. 1-26, <u>Virtex Communications, LLC</u>
	C43	"Symphony Integrated Satellite Receiver Software High Level Design," Version 1.0, April 28, 1995, pp. 1-24, <u>Virtex Communications, LLC</u>
EXAMINER		DATE CONSIDERED
*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

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(Use several sheets if necessary)

ATTORNEY DOCKET NO.

12744US03

SERIAL NO.

09/627,365

APPLICANT:

Roswell Roberts III et al.

FILING DATE

July 28, 2000

GROUP ART UNIT:

2661

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A118	6,023,345	02-08-00	Bloomfield			
	A119	6,034,689	03-07-00	White et al.			
	A120	6,038,594	03-14-00	Puente et al.			
	A121	6,041,295	03-21-00	Hinderks			
	A122	6,041,359	03-21-00	Birdwell			
	A123	6,049,551	04-11-00	Hinderks et al.			
	A124	6,055,244	04-25-00	Wall, Jr. et al.			
	A125	6,078,961	06-20-00	Mourad et al.			
	A126	6,085,235	07-04-00	Clarke, Jr. et al.			

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							YES	NO
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	C44	"Symphony Integrated Satellite Receiver Product Specification," Version 1.1, May 5, 1995, pp. 1-11, Virtex Communications, LLC
	C45	StarGuide II Tracking brochure, 1995, Virtex Communications, L.L.C.
	C46	"MUSICAM EXPRESS Brochure, 1995, Virtual Express Communications, L.L.C.

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	A127	6,094,427	07-25-00	Yi			
	A128	6,094,671	07-25-00	Chase et al.			
	A129	6,101,180	08-08-00	Donahue et al.			
	A130	6,115,750	09-05-00	Dillon et al.			
	A131	6,128,374	10-03-00	Hinderks			
	A132	6,144,702	11-07-00	Yurt et al.			
	A133	6,160,797	12-12-00	Robert III et al.			
	A134	6,188,689	02-13-02	Katsube et al.			
	A135	6,205,473	03-20-01	Thomasson et al.			

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	C47	"Compression in Video and Audio," John Watkinson, 1995
	C48	Webpage printouts, IDR V1000 Specification, WavePhore Networks, 12/10/97
	C49	"WavePhore and SkyCache to Renovate Internat Backbone," webpage printout, WavePhore Networks, 03/11/98
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	A136	6,212,201	04-03-01	Hinderks et al.			
	A137	6,310,893	10-30-01	Yuan et al.			
	A138	6,351,727	02-26-02	Wiese et al.			
	A139	6,351,728	02-26-02	Wiese et al.			
	A140	6,359,882	03-19-02	Robles et al.			
	A141	6,373,927	04-16-02	Hinderks			
	A142	6,411,607	06-25-02	Robert III et al.			
	A143	6,411,616	06-25-02	Donahue et al.			
	A144	6,490,551	12-03-02	Wiese et al.			

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	C50	"Digital Video: The iPump," <u>Wegener Communications</u> , web page printed 02/05/03
	C51	"Digital Video: The UNITY 5000," <u>Wegener Communications</u> , web page printed 02/05/03
	C52	"Digital Video: UNITY Option Cards," <u>Wegener Communications</u> , 1999, web page printed 02/14/03
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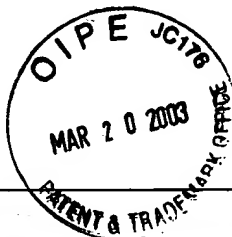
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	A145	Des. 264,691	06-01-82	Volkland et al.			
	A146	Des. 267,249	12-14-82	Fukushima et al.			
	A147	Des. 277,569	02-12-85	Georgopolus			
	A148	Des. 281,974	12-31-85	Suzuki et al.			
	A149	Des. 289,616	05-05-87	Imazeki			
	A150	Des. 291,443	08-18-87	Pedinielli et al.			
	A151	Des. 349,503	08-09-94	Roy			
	A152	Des. 350,544	09-13-94	Sakuta et al.			
	A153	Des. 373,767	09-17-96	Hinderks			

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C53	"Digital Video: The UNITY 401," <u>Wegener Communications</u> , 1999, web page printed 02/14/03
C54	"Modeling and Performance Analysis of File Transfer in a Satellite Wide Area Network," Oliver W. W. Yang et al., <u>IEEE Journal on Selected Areas in Communications</u> , vol. 10, No. 2, February, 1992
C55	"Psychoacoustics Facts and Models," E. Zwicker and H. Fastl, 1990

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	A154	Re. 32,124	04-22-86	Atal			
	A155	2001/0000457	04-26-01	Hinderks et al.			
	A156	2001/0038686	11-08-01	Hinderks			
	A157	2002/0082827	06-27-02	Wiese			
	A158	2002/0105955	08-08-02	Roberts, III et al.			
	A159	2002/0177914	11-28-02	Chase			
	A160	2002/0194364	12-19-02	Chase et al.			
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	B							
	B							

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	C56	"What is DaX?," Virtex Communications, L.L.C., 1994
	C57	"The Very Least You Need to Know to Operate a DaX" brochure, MUSICAM EXPRESS, L.L.C., July, 1996
	C	
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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application	09/627,365	
	Filing Date	July 28, 2000	
	First Named	Roswell Roberts III et al.	
	Group Art Unit	2661	
	Examiner Name	Kenneth N. Vanderpuye	
Total Number of Pages in This Submission		Attorney Docket Number	12744US03

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<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
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<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
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<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	McAndrews, Held & Malloy, Ltd.; Joseph M. Barich, Reg. No. 42, 291 500 W. Madison Street, 34th Floor Chicago, Illinois 60661
Signature	<i>Joseph M. Barich</i>
Date	March 17, 2003

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